cacac " eraccach

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$$R^{41} \longrightarrow R^{42}$$

$$R^{43} \longrightarrow R^{43}$$

$$(XI)$$

wherein each of R^{40} and R^{41} respectively represents an alkyl group, an aryl group or aralkyl group and may bond to each other to form a ring, R^{42} represents a hydrogen atom, a halogen atom or an alkyl group, and R^{43} represents a hydrogen atom, a halogen atom, an alkyl group or a halogenated alkyl group.

REMARKS

The above amendments are made to place the claims in a more traditional format.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached pages are captioned "Version With Markings To Show Changes Made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

- 7. (Amended) The heat-sensitive recording material of claim 5 [or 6], wherein the heat-sensitive recording layer contains a phosphoric ester derivative as an additive.
- 10. (Amended) The heat-sensitive recording material of claim 8 [or 9], wherein the pigment contained in the undercoat layer is an oil-absorbing pigment which shows an oil absorption of 70 to 800 ml/100 g when measured according to JIS-K-5101 or organic hollow particles.
- 11. (Amended) The heat-sensitive recording material of claim 8[, 9 or 10], wherein the protective layer contains at least one selected from an acetoacetyl-modified polyvinyl alcohol, a carboxy-modified polyvinyl alcohol, a diacetone-modified polyvinyl alcohol or a silicon-modified polyvinyl alcohol, and a pigment, as main components.
- 12. (Amended) The heat-sensitive recording material of [any one of claims 8 to 11] <u>claim 8</u>, wherein the heat-sensitive recording layer, the protective layer or both contain a benzotriazole-containing ultraviolet absorbent.
- 15. (Amended) The heat-sensitive recording material of claim 13 [or 14], wherein the mixture contains two members of the benzenesulfonamide derivatives, which are used together in a mixing weight ratio of from 1:9 to 9:1.
- 16. (Amended) The heat-sensitive recording material of claim 13[, 14 or 15], wherein the benzenesulfonamide derivatives are a combination of N-(4-hydroxyphenyl)-p-toluenesulfonamide and N-(2-hydroxyphenyl)-p-toluenesulfonamide.
- 17. (Amended) The heat-sensitive recording material of [any one of claims 13 to 16] <u>claim 13</u>, wherein the heat-sensitive recording layer contains a phosphoric ester derivative as an additive.

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21. (Amended) The heat-sensitive recording material of claim 18[, 19 or 20], wherein the benzenesulfonamide derivative is a compound of the general formula (II-a),

$$(R^{11})m$$
 $(R^{12})n$ $= =$ $(I I- a)$

wherein each of R¹¹ and R¹² respectively represents an alkyl group having 1 to 4 carbon atoms, an alkoxyl group having 1 to 4 carbon atoms, an alkenyl group having 2 to 4 carbon atoms, an aralkyl group having 7 to 10 carbon atoms or an aryl group having 6 to 14 carbon atoms, n represents an integer of 0 to 5, m represents an integer of 0 to 4 and k represents 1 or 2.

- 22. (Amended) The heat-sensitive recording material of [any one of claims 18 to 21] <u>claim 18</u>, wherein the benzenesulfonamide derivative and the diphenylsulfone derivative are contained in a weight ratio of from 9:1 to 3:7.
- 23. (Amended) The heat-sensitive recording material of [any one of claims 18 to 22] <u>claim 18</u>, wherein the heat-sensitive recording layer contains, as an additive, a hydroxybenzoic acid derivative of the general formula (V),

wherein Z is an oxygen atom or –NH group, R²³ is an alkyl group, an alkenyl group, aralkyl group or an aryl group, and d repesents an integer of 1 to 4.

24. (Amended) The heat-sensitive recording material of [any one of claims 18 to 23] <u>claim 18</u>, wherein the heat-sensitive recording layer contains a phosphoric ester derivative as an additive.

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27. (Amended) The heat-sensitive recording material of claim 25 [or 26], wherein the diphenylsulfone derivative is 4-benzyloxy-4'-(2-methylglycidyloxy)diphenylsulfone.

30. (Amended) The heat-sensitive recording material of claim 28 [or 29], wherein the ultraviolet absorbent is a dimer of a benzotriazole derivative of the general formula (VII),

wherein R²⁹ represents a hydrogen atom, a halogen atom, an alkyl group, an alkoxyl group, an aryl group or an aryloxy group, R³⁰ is an alkyl group having 1 to 18 carbon atoms, and D is an alkylidene group having 1 to 8 carbon atoms.

- 31. (Amended) The heat-sensitive recording material of claim 28[, 29 or 30], wherein the benzenesulfonamide derivative is N-(2-hydroxyphenyl)-p-toluenesulfonamide or N-(4-hydroxyphenyl)-p-toluenesulfonamide.
- 32. (Amended) The heat-sensitive recording material of [any one of claims 28 to 31] <u>claim 28</u>, wherein the heat-sensitive recording layer contains a compound of the general formula (VIII),

$$R^{32} \xrightarrow{N} S \xrightarrow{(R^{33})W} (VIII)$$

wherein each of R^{31} and R^{32} respectively represents a hydrogen atom, an alkyl group, an aralkyl group or an aryl group, respectively, R^{33} represents an alkyl group, an alkoxyl group, an alkenyl group, an aralkyl group or an aryl group, and w represents an integer of 0 to 5.

- 33. (Amended) The heat-sensitive recording material of [any one of claims 28 to 32] <u>claim 28</u>, wherein the heat-sensitive recording layer contains a phosphoric ester derivative as an additive.

 36. (Amended) The heat-sensitive recording material of claim 34 [or 35], wherein the heat-sensitive recording layer contains at least two benzenesulfonamide derivatives of the general formula (II).
- 37. (Amended) The heat-sensitive recording material of claim 34[, 35 or 36], wherein N-(4-hydroxyphenyl)-p-toluenesulfonamide and N-(2-hydroxyphenyl)-p-toluenesulfonamide are contained in combination as benzenesulfonamide derivatives.
- 41. (Amended) The heat-sensitive recording material of claim 38[, 39 or 40], wherein the heat-sensitive recording layer contains a phosphoric ester derivative as an additive.
- 44. (Amended) The heat-sensitive recording material of claim 42 [or 43], wherein the benzenesulfonamide derivative is a compound of the general formula (II),

$$(R^{11})m \quad R^{13} \quad (R^{12})n$$

$$NSO_{2} \quad = | = |$$

$$(II)$$

wherein each of R¹¹, R¹² and R¹³ respectively represents an alkyl group having 1 to 4 carbon atoms, an alkoxyl group having 1 to 4 carbon atoms, an alkenyl group having 2 to 4 carbon atoms, an aralkyl group having 7 to 10 carbon atoms or an aryl group having 6 to 14 carbon atoms, n represents an integer of 0 to 5, m represents an integer of 0 to 4 and k represents 1 or 2.

45. (Amended) The heat-sensitive recording material of claim 42 [or 43], wherein the diphenylsulfone derivative is a compound of the general formula (IX),

$$R^{34}$$
 $(OH)x$
 $(OH)y$
 (IX)

wherein each of R³⁴ and R³⁵ respectively represents a hydrogen atom, a halogen atom, an alkyl group, an alkoxyl group, an alkenyl group, an aralkyl group, an aryl group, an alkenyloxy group, an aralkyloxy group or an aryloxy group, x represents an integer of 1 to 3, and y represents an integer of 0 to 2.

46. (Amended) The heat-sensitive recording material of claim 42 [or 43], wherein the benzoic acid derivative is a compound of the general formula (V),

wherein Z is an oxygen atom or –NH group, R²³ is an alkyl group, an alkenyl group, aralkyl group or an aryl group, and d repesents an integer of 1 to 4.

47. (Amended) The heat-sensitive recording material of claim 42 [or 43], wherein the diphenylmethane derivative is a compound of the general formula (X),

$$R^{36}$$
 R^{36}
 R^{39}
 R^{39}

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wherein each R^{36} to R^{39} respectively represents a hydrogen atom, a halogen atom, an alkyl group, an alkoxyl group, an alkenyl group, an aralkyl group, an aryl group, an alkenyloxy group, an aralkyloxy group, an aryloxy group or an alkoxycrbonylalkyl group, R^{37} and R^{38} may bond to each other to form a ring, x represents an integer of 1 to 3, and y represents an integer of 0 to 2.

48. (Amended) The heat-sensitive recording material of [any one of claims 42 to 47] <u>claim 42</u>, wherein the dye precursor is a xanthene compound of the general formula (XI),

$$\mathbb{R}^{41}$$

$$\mathbb{R}^{40}$$

$$\mathbb{R}^{42}$$

$$\mathbb{R}^{43}$$

$$\mathbb{R}^{43}$$

$$\mathbb{R}^{43}$$

wherein each of R^{40} and R^{41} respectively represents an alkyl group, an aryl group or aralkyl group and may bond to each other to form a ring, R^{42} represents a hydrogen atom, a halogen atom or an alkyl group, and R^{43} represents a hydrogen atom, a halogen atom, an alkyl group or a halogenated alkyl group.